UNIVERSITÄTSMEDIZIN GÖTTINGEN UMG

The research group „Structure and Function of Molecular Machines“ of Prof. Dr. Hauke Hillen at the Institute of Cellular Biochemistry is inviting

Postdoctoral fellow (f/m/d)

molecular & structural biology of mitochondria

fixed term for 2 years, 38,5 hours/week | salary according to TV-L

About us

The University Medical Center Göttingen is a tertiary care center and offers great development potential. Its 7,900 employees work in over 65 departments and facilities to provide top-quality patient care, excellent research and modern teaching. Göttingen, "City of Science", located near the center of Germany, the University Medical Center Göttingen is embedded in the city's attractive network of scientific research facilities.

Our group is located at the University Medical Center Göttingen (UMG) and at the Max-Planck-Institute for Multidisciplinary Sciences in Göttingen, Germany. Our research is aimed at understanding the structure and function of molecular machineries in eukaryotic cells and organelles, with a focus on human mitochondria. These sub-cellular organelles play important and diverse roles in eukaryotic cells, and their dysfunction leads to severe disease in humans. We are particularly interested in the molecular mechanisms underlying mitochondrial gene expression, how this process is regulated and how it is embedded in the cellular context. To study this, we combine structural biology (single-parti-

cle cryo-electron microscopy, X-Ray crystallography and cryo-electron tomography) with biochemical, biophysical and cell biological approaches. For recent examples on our research, see PMID: 34489609, 34135319, 33328633, 29149603 and 29033127.

We offer access to state-of-the art instrumentation for cryo-EM (including two 300 kV Titan Krios TEMs, a 200 kV Glacios TEM and two Aquilos 2 FIB-SEMs as well as correlative fluorescent and light microscopy devices), X-Ray crystallography and various modern biophysical techniques. Göttingen is a vibrant, international student town located in the center of Germany and, in addition to its university, is home to a number of renowned research institutes, which together form the Göttingen Research Campus.

Your responsibilities:

- Ccmbine cutting-edge structural biology, protein- and RNA biochemistry as well as cellular methods to dissect mitochondrial molecular biology from the atomic to the organellar scale
- drive & develop your own research project in a collaborative team with close mentoring
- present & communicate research results at national and international scientific meetings

Our offer:

- high-impact research field with biomedical relevance
- small, international and diverse research group with a strong team spirit and an open-minded, collaborative and respectful working atmosphere
- access to state-of-the-art infrastructure & hands-on training in latest methods in molecular biology and structural biology methods

Your Profile:

- applicants should hold a PhD in the life sciences, chemistry, physics or a related discipline or expect to be awarded a PhD by the time of starting the position
- previous experience in structural biology (sin-

gle-particle cryo-EM, cryo-electron tomography or X-Ray crystallography), fluorescence microscopy or cell biology is advantageous
- fluent English language skills (written and spoken) are required

To apply, please submit a single PDF containing a short statement of motivation and previous experience,a CV, and die names and contacts of at least two references byemail to: hauke.hillen@med.uni-goettingen.de

The University Medical Center Göttingen is committed to professional equality. We therefore seek to increase the proportion of under-represented genders. Applicants with disabilities and equal qualifications will be given preferential treatment.

We look forward to receiving your application by November 18th, 2022:

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Travel and application fees cannot be refunded or transferred.